

<p>FORM PTO-1449</p> <p><u>INFORMATION DISCLOSURE STATEMENT</u></p>	<p>ATTY. DOCKET NO.</p> <p>0652.1880000</p>	<p>APPLICATION NO.</p> <p>(U.S. Natl Phase of PCT/EP97/06268)</p>
	<p>APPLICANT</p> <p>Nasmyth <i>et al.</i></p>	
	<p>INT'L FILING DATE</p> <p>November 11, 1997</p>	<p>GROUP</p> <p>To be assigned</p>

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u	AR	1	Altschul, S.F., <i>et al.</i> , "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs," <i>Nucl. Acids Res.</i> 25:3389-3402 (September 1997)
↓	AS	1	Amon, A., <i>et al.</i> , "Closing the Cell Cycle Circle in Yeast: G2 Cyclin Proteolysis Initiated at Mitosis Persists until the Activation of G1 Cyclins in the Next Cycle," <i>Cell</i> 77:1037-1050 (July 1994)
↓	AT	1	Araki, H., <i>et al.</i> , "The CDC26 gene of <i>Saccharomyces cerevisiae</i> is required for cell growth only at high temperature," <i>Mol. Gen. Genet.</i> 231:329-331 (January 1992)

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AR	2	Bai, C., <i>et al.</i> , "SKP1 Connects Cell Cycle Regulators to the Ubiquitin Proteolysis Machinery through a Novel Motif, the F-Box," <i>Cell</i> 86:263-274 (July 1996)
AS	2	Borden, K.L.B., and Freemont, P.S., "The RING finger domain: a recent example of a sequence-structure family," <i>Curr. Opin. Struct. Biol.</i> 6:395-401 (June 1996)
AT	2	Ciechanover, A., "The Ubiquitin-Proteasome Proteolytic Pathway," <i>Cell</i> 79:13-21 (October 1994)

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<i>W</i>	AR	<u>3</u>	Cohen-Fix, O., <i>et al.</i> , "Anaphase initiation in <i>Saccharomyces cerevisiae</i> is controlled by the APC-dependent degradation of the anaphase inhibitor Pds1p," <i>Genes & Develop.</i> 10:3081-3093 (December 1996)
<i>W</i>	AS	<u>3</u>	Dahmann, C., <i>et al.</i> , "S-phase-promoting cyclin-dependent kinases prevent re-replication by inhibiting the transition of replication origins to a pre-replicative state," <i>Curr. Biol.</i> 5:1257-1269 (November 1995)
<i>W</i>	AT	<u>3</u>	Ellison, M.J., and Hochstrasser, M., "Epitope-tagged Ubiquitin: A New Probe for Analyzing Ubiquitin Function," <i>J. Biol. Chem.</i> 266:21150-21157 (November 1991)

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u	AR	4	Engle, D.B., <i>et al.</i> , "A Negative Regulator of Mitosis in <i>Aspergillus</i> Is a Putative Membrane-spanning Protein," <i>J. Biol. Chem.</i> 265:16132-16137 (September 1990)
↓	AS	4	Funabiki, H., <i>et al.</i> , "Cut2 proteolysis required for sister-chromatid separation in fission yeast," <i>Nature</i> 381:438-441 (May 1996)
↓	AT	4	Hirano, T., <i>et al.</i> , "A Temperature-sensitive Mutation of the <i>Schizosaccharomyces pombe</i> Gene <i>nuc2⁺</i> That Encodes a Nuclear Scaffold-like Protein Blocks Spindle Elongation in Mitotic Anaphase," <i>J. Cell Biol.</i> 106:1171-1183 (April 1988)

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<i>u</i>	AR	5	Holloway, S.L., <i>et al.</i> , "Anaphase Is Initiated by Proteolysis Rather Than by the Inactivation of Maturation-Promoting Factor," <i>Cell</i> 73:1393-1402 (July 1993)
↓	AS	5	Irniger, S., <i>et al.</i> , "Genes Involved in Sister Chromatid Separation Are Needed for B-Type Cyclin Proteolysis in Budding Yeast," <i>Cell</i> 81:269-277 (April 1995)
↓	AT	5	Jackson, P.K., "Cell cycle: Cull and destroy," <i>Curr. Biol.</i> 6:1209-1212 (October 1996)

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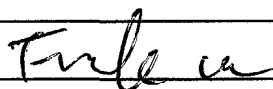
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	AR	<u>6</u>	James, S.W., <i>et al.</i> , "The <i>Aspergillus nidulans</i> <i>bimE</i> (blocked-in-mitosis) gene encodes multiple cell cycle functions involved in mitotic checkpoint control and mitosis," <i>J. Cell Sci.</i> 108:3485-3499 (November 1995)
	AS	<u>6</u>	Juang, Y.-L., <i>et al.</i> , "APC-Mediated Proteolysis of Ase1 and the Morphogenesis of the Mitotic Spindle," <i>Science</i> 275:1311-1314 (February 1997)
	AT	<u>6</u>	King, R.W., <i>et al.</i> , "A 20S Complex Containing CDC27 and CDC16 Catalyzes the Mitosis-Specific Conjugation of Ubiquitin to Cyclin B," <i>Cell</i> 81:279-288 (April 1995)

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	AR	Z	Kipreos, E.T., <i>et al.</i> , "cul-1 Is Required for Cell Cycle Exit in <i>C. elegans</i> and Identifies a Novel Gene Family," <i>Cell</i> 85:829-839 (June 1996)
	AS	Z	Lamb, J.R., <i>et al.</i> , "Cdc16p, Cdc23p and Cdc27p form a complex essential for mitosis," <i>EMBO J.</i> 13:4321-4328 (1994)
	AT	Z	Lamond, A.I., and Mann, M., "Cell biology and the genome projects - a concerted strategy for characterizing multiprotein complexes by using mass spectrometry," <i>Trends in Cell Biol.</i> 7:139-142 (April 1997)

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	AR	8	Luca, F.C., <i>et al.</i> , "Both cyclin AΔ60 and BΔ97 are stable and arrest cells in M-phase, but only cyclin BΔ97 turns on cyclin destruction," <i>EMBO J.</i> 10:4311-4320 (December 1991)
	AS	8	Mathias, N., <i>et al.</i> , "Cdc53p Acts in Concert with Cdc4p and Cdc34p To Control the G ₁ -to-S-Phase Transition and Identifies a Conserved Family of Proteins," <i>Mol. Cell. Biol.</i> 16:6634-6643 (December 1996)
	AT	8	Nasmyth, K., "The Identification of a Second Cell Cycle Control on the <i>HO</i> Promoter in Yeast: Cell Cycle Regulation of SW15 Nuclear Entry," <i>Cell</i> 62:631-647 (August 1990)

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	AR	2	Neubauer, G., <i>et al.</i> , "Identification of the proteins of the yeast U1 small nuclear ribonucleoprotein complex by mass spectrometry," <i>Proc. Natl. Acad. Sci. USA</i> 94:385-390 (January 1997)
	AS	2	O'Donnell, K.L., <i>et al.</i> , "bimA encodes a member of the tetratricopeptide repeat family of proteins and is required for the completion of mitosis in <i>Aspergillus nidulans</i> ," <i>J. Cell Sci.</i> 99:711-719 (August 1991)
	AT	2	Osmani, S.A., <i>et al.</i> , "Spindle Formation and Chromatin Condensation in Cells Blocked at Interphase by Mutation of a Negative Cell Cycle Control Gene," <i>Cell</i> 52:241-251 (January 1988)

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	AR	10	Peters, J.-M., "Proteasomes: protein degradation machines of the cell," <i>TIBS</i> 19:377-382 (September 1994)
	AS	10	Peters, J.-M., <i>et al.</i> , "Identification of BIME as a Subunit of the Anaphase-Promoting Complex," <i>Science</i> 274:1199-1201 (November 1996)
	AT	10	Rolfe, M., <i>et al.</i> , "Reconstitution of p53-ubiquitinylation reactions from purified components: The role of human ubiquitin-conjugating enzyme UBC4 and E6-associated protein (E6AP)," <i>Proc. Natl. Acad. Sci. USA</i> 92:3264-3268 (April 1995)

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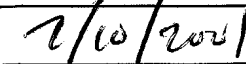
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	AR	<u>11</u>	Samejima, I., and Yanagida, M., "Bypassing Anaphase by Fission Yeast <i>cut9</i> Mutation: Requirement of <i>cut9</i> " to Initiate Anaphase," <i>J. Cell Biol.</i> 127:1655-1670 (December 1994)
	AS	<u>11</u>	Saurin, A.J., <i>et al.</i> , "Does this have a familiar RING?," <i>TIBS</i> 21:208-214 (June 1996)
	AT	<u>11</u>	Schwob, E., and Nasmyth, K., " <i>CLB5</i> and <i>CLB6</i> , a new pair of B cyclins involved in DNA replication in <i>Saccharomyces cerevisiae</i> ," <i>Genes & Develop.</i> 7:1160-1175 (July 1993)

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	AR	12	Schwob, E., <i>et al.</i> , "The B-Type Cyclin Kinase Inhibitor p40 ^{SIC1} Controls the G1 to S Transition in <i>S. cerevisiae</i> ," <i>Cell</i> 79:233-244 (October 1994)
	AS	12	Starborg, M., <i>et al.</i> , "A Novel Murine Gene Encoding a 216-kDa Protein Is Related to a Mitotic Checkpoint Regulator Previously Identified in <i>Aspergillus nidulans</i> ," <i>J. Biol. Chem.</i> 269:24133-24137 (September 1994)
	AT	12	Sudakin, V., "The Cyclosome, a Large Complex Containing Cyclin-Selective Ubiquitin Ligase Activity, Targets Cyclins for Destruction at the End of Mitosis," <i>Molec. Biol. Cell</i> 6:185-198 (February 1995)

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	AS	<u>13</u>	Thompson, J.D., <i>et al.</i> , "CLUSTAL W: improving the sensitivity of progressive multiple sequence alignment through sequence weighting, position-specific gap penalties and weight matrix choice," <i>Nucl. Acids Res.</i> 22:4673-4680 (November 1994)
	AT	<u>13</u>	Tugendreich, S., <i>et al.</i> , "Linking yeast genetics to mammalian genomes: Identification and mapping of the human homolog of CDC27 via the expressed sequence tag (EST) data base," <i>Proc. Natl. Acad. Sci. USA</i> 90:10031-10035 (November 1993)

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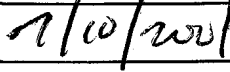
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>14</u>	Tugendreich, S., <i>et al.</i> , "CDC27hs Colocalizes with CDC16hs to the Centrosome and Mitotic Spindle and Is Essential for the Metaphase to Anaphase Transition," <i>Cell</i> 81:261-268 (April 1995)
	AS	<u>14</u>	Willems, A.R., <i>et al.</i> , "Cdc53 Targets Phosphorylated G1 Cyclins for Degradation by the Ubiquitin Proteolytic Pathway," <i>Cell</i> 86:453-463 (August 1996)
	AT	<u>14</u>	Zachariae, W., and Nasmyth, K., "TPR Proteins Required for Anaphase Progression Mediate Ubiquitination of Mitotic B-type Cyclins in Yeast," <i>Molec. Biol. Cell</i> 7:791-801 (May 1996)

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510 Rec'd PCT/PTO 13 MAY 1999

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0652.1880000	APPLICATION NO. (U.S. Natl Phase of PCT/EP97/06268)
	APPLICANT Nasmyth <i>et al.</i>	
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	AR	15	Zachariae, W., <i>et al.</i> , "Identification of Subunits of the Anaphase-Promoting Complex of <i>Saccharomyces cerevisiae</i> , <i>Science</i> 274:1201-1204 (November 1996)
	AS	15	International Search Report of International Application No. PCT/EP97/06268, mailed August 5, 1998.
	AT		

EXAMINER 	DATE CONSIDERED 1/10/2001
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